

Title (en)

ANAEROBIC HYBRID PROPULSION DEVICE WITH FUEL PRESENT IN THE FORM OF DIVIDED SOLIDS

Title (de)

ANAEROBE HYBRIDANTRIEBSVORRICHTUNG MIT KRAFTSTOFF IN DER FORM VON GETEILTEN FESTSTOFFEN

Title (fr)

DISPOSITIF DE PROPULSION HYBRIDE ANAÉROBIE À CARBURANT PRÉSENTE SOUS FORME DE SOLIDES DIVISÉS

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Application

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Abstract (en)

[origin: WO2014040998A1] The invention relates to an anaerobic propulsion device of hybrid type, said propulsion device comprising a combustion chamber (21) into which an oxidant is injected to come into contact with a fuel, said chamber (21) comprising an orifice (notably a nozzle) for the ejection of the combustion gases, characterized in that the fuel takes the form of solids divided into granules (typically grains, powder or beads). The propulsion device comprises a segregation device (22) arranged between a reservoir (27) for granules (23) of solid fuel, and a combustion chamber (21), the segregation device (22) being designed to prevent granules (23) of fuel in solid form from passing between the reservoir (27) and the combustion chamber (21), but comprising orifices allowing the passage of fuel, once this fuel has become pasty, liquid or vaporized.

IPC 8 full level

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